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(54) **Metallized material-making method**

(57) A layer (film) of a polymer derived from a specific compound having a carbon-carbon triple bond in the same molecule is first formed on a substrate made up of a non-conducting or semiconducting material. Then, the polymer layer is brought in contact with a pal-

ladium element-containing solution to impart electrical conductivity thereto, thereby obtaining an electrically conductive layer to which electroplating can be applied. Finally, a metal layer (film) is provided by electroplating on the electrically conductive layer to obtain a metallized material.

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EUROPEAN SEARCH REPORT

Application Number
EP 98 11 3281

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	US 5 415 762 A (ALLARDYCE GEORGE R ET AL) 16 May 1995 (1995-05-16) * claims 1,8; examples 3,4 *	1-19	C25D5/54 B05D5/06 H05K3/18
A	EP 0 413 109 A (IBM) 20 February 1991 (1991-02-20) * claims 1,4; examples I-VI *	1-19	
A	EP 0 731 192 A (SHIPLEY CO LLC) 11 September 1996 (1996-09-11) * claims 1,8; example 3 *	1-19	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			C25D B05D H05K
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 27 August 2001	Examiner De Anna, P
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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The members are as contained in the European Patent Office EDP file on
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27-08-2001

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5415762 A	16-05-1995	US 5528000 A	18-06-1996
EP 0413109 A	20-02-1991	US 5300208 A	05-04-1994
		JP 2055999 C	23-05-1996
		JP 3083395 A	09-04-1991
		JP 7099790 B	25-10-1995
EP 0731192 A	11-09-1996	JP 8269782 A	15-10-1996
		DE 69510528 D	05-08-1999
		DE 69510528 T	25-11-1999